

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/39739

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| A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : A61K 31/724; A61K 31/519. US CL : 514/58, 262.1, 365, 562, 706; 424/451; 456/489; 530/351. According to International Patent Classification (IPC) or to both national classification and IPC | | |
| B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S. : 514/58, 262.1, 365, 562, 706; 424/451; 456/489; 530/351. Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet | | |
| C. DOCUMENTS CONSIDERED TO BE RELEVANT | | |
| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| Y | US 5,869,456 A (LEVY ET AL) 9 February 1999, see abstract and claims. | 32-45 |
| Y | US 6,369,106 B1 (ATLAS ET AL) 9 April 2002, see claims and abstract. | 1-31 and 46-54 |
| A | US 6,197,749 B1 (HAMURO ET AL) 6 March 2001, see abstract and claims. | 32-45 |
| <input type="checkbox"/> Further documents are listed in the continuation of Box C, <input type="checkbox"/> See patent family annex. | | |
| * Special categories of cited documents: | | |
| "A" | document defining the general state of the art which is not considered to be of particular relevance | "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention |
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| "O" | document referring to an oral disclosure, use, exhibition or other means | "&" document member of the same patent family |
| "P" | document published prior to the international filing date but later than the priority date claimed | |
| Date of the actual completion of the international search 22 August 2005 (22.08.2005) | | Date of mailing of the international search report 19 SEP 2005 |
| Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner of Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703)305-3230 | | Authorized officer Devesh Khare Telephone No. 703-308-1235 |

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Continuation of B. FIELDS SEARCHED Item 3:

CAS on line, EAST. Search terms used: N-acetyl L-cysteine choline ester, glutathione choline ester, amino acid or peptide and transport to cells.